

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 81-9

WASTE DISCHARGE REQUIREMENTS FOR:

AMLOC COMPANIES, INCORPORATED AND
CYPRESS ABBEY LAND COMPANY JUNIPERO SERRA
CLASS II-2 SOLID WASTE DISPOSAL SITE
COLMA, SAN MATEO COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. Amloc Companies, Inc. submitted a Report of Waste Discharge on May 9, 1980, for the Junipero Serra Solid Waste Disposal Site. The 8.7 acre site, used for the disposal of limited Group 2 wastes and Group 3 wastes, is owned by Cypress Abbey Land Company. Amloc Companies, Inc. lease 7.3 acres of this site which is the present active area. The 1.4 acres remaining was previously leased by Amloc Companies, Inc. and this area is completely filled. Cypress Abbey Land Company and Amloc Company, Inc. are hereinafter jointly called the discharger.
2. In December 1975 the discharger submitted a Waste Management Study for this site which has been updated by letters dated March 1976, October 29, 1976, and May 6, 1980. The Waste Management Study addresses such items as a monitoring program, surface water drainage, ground water operations, and possible termination of the use at the site. Site use as a landfill is projected to terminate in 1985.
3. The discharger proposes to operate, maintain and improve the existing site for disposal of limited categories of group 2 wastes such as paper, cardboard, cloth, glass, street refuse, yard clippings, and group 3 wastes. The site is located in the City of Colma, surrounded by Junipero Serra Boulevard on the west, presently undeveloped Memorial Park lands on the north and east, and a shopping center on the south, as shown in the maps Attachments A and B to this order.
4. The 8.7 acre disposal site is roughly 200 feet above mean sea level and lies in the valley between the Santa Cruz Mountain Range and San Bruno Mountain. The bedrock, which underlies the area, consists of sandstones and shales, commonly known as the Franciscan Formation. The subsurface conditions encountered at the site consist of unconsolidated sands and minor amounts of clay and silt, commonly known as the Colma and Merced Formations. The Colma Formation overlies the Merced Formation and extends from the ground surface to depths of approximately 200 feet. The active San Andreas fault lies about one mile southwest of the disposal site. Two inactive faults, the San Bruno and Hillside faults, as well as other minor faults are in the proximity of the landfill site.

5. Ground water occurring in the vicinity of the landfill is derived from sources including: percolation of surface runoff, irrigation water, direct penetration of rainfall and limited subsurface flow from adjacent areas. The useable ground water aquifer is approximately two hundred feet from the surface.
6. The beneficial uses of ground waters in the vicinity of the landfill are:

Landscape irrigation
Domestic use.
7. Subsequent to the modifications necessary to comply with this Order, this disposal site will meet the criteria contained in the California Administrative Code, Title 23, Chapter 3, Subchapter 15 for classification of a portion of the site as a Class II-2 disposal site to receive limited Group 2 waste and Group 3 wastes.
8. The Board adopted a Water Quality Control Plan for the San Francisco Bay Basin in April 1975 and this Order implements the water quality objectives stated in that plan.
9. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
10. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.
11. This Order authorizes the continued operation of a privately owned Class II-2 solid waste disposal site. Such activity constitutes only minor modification to land and is thereby exempt from the provisions of the California Environmental Quality Act in accordance with Section 15104, Chapter 3, Title 14, California Administrative Code.

IT IS HEREBY ORDERED, that Cypress Abbey Land Company and Amloc Companies, Inc. Junipero Serra Class II-2 Solid Waste Disposal Site and any other persons that shall own the land or operate this landfill shall comply with the following:

A. Waste Disposal Specifications

1. The disposal of wastes shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. Limited group 2 wastes shall not be placed in or allowed to contact ponded water from any source whatsoever.
3. Group 1 wastes and hazardous wastes shall not be deposited or stored at this site.

4. The following group 2 wastes shall not be deposited at this site:
 - a. Garbage from handling, preparation, processing, or serving of food or food products.
 - b. Pesticide containers.
 - c. Manure
 - d. Dead animals and portions thereof.
 - e. Liquid Group 2 wastes.
5. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.

B. Leachate and Drainage Specifications

1. Leachate from Group 2 wastes and ponded water containing leachate or in contact with refuse shall not be discharged to waters of the State.
2. Water used during disposal site operation shall be limited to a minimal amount reasonably necessary for dust control and fire suppression.
3. The disposal area shall be protected from any washout or erosion of wastes or covering material, and from inundation, which could occur as a result of the 100 year storm.
4. Surface drainage from tributary areas, and internal site drainage from surface or subsurface sources shall not contact or percolate through group 2 wastes during disposal operation and for the active life of the site. The perimeter drainage ditches and all other facilities shall be designed to convey the 100 year storm runoff, and withstand differential settlement. These facilities shall be constructed over a natural ground or through lined channel or pipes.
5. As portions of the site are closed, the exterior surfaces shall be graded to a minimum slope of three percent in order to promote lateral runoff of precipitation and to minimize infiltration of precipitation, in addition, all completed disposal areas shall be covered with a minimum of three feet of uncontaminated material, one foot of which is compacted to attain a permeability no greater than 10^{-6} cm/sec.
6. The migration of methane gas from the landfill area shall be controlled as necessary to prevent the creation of a nuisance.

7. The useable ground water shall not be degraded as a result of the solid waste disposal operation.
8. Prior to October 1, 1981 and every October 1 thereafter a compacted impervious cover at least 1 foot thick with a permeability of 1×10^{-6} cm/sec or less shall be placed over all areas containing solid waste, excluding the active face. The disposal area should be graded to a (three percent slope) to prevent ponding and percolation of surface water into the waste material.

C. Provisions

1. The discharger shall comply with all specifications and provisions of this Order immediately upon its adoption except B.3, B.4, B.5, B.6 and B.8.
2. The discharger shall submit a report no later than May 1, 1981, describing the status of compliance with Sections B.3, B.4 and B.5 of this Order. If compliance is not currently being achieved, a plan and time schedule shall be submitted on May 1, 1981 for achieving compliance. In any case Sections B.3, B.4 and B.5 will be complied with no later than October 1, 1981. All reports described above shall be prepared by a registered civil engineer or certified engineering geologist.
3. The discharger shall demonstrate compliance with Provision B.6 according to the following time schedule:

<u>Task</u>	<u>Compliance Date</u>
a. Install monitoring wells	by July 15, 1981
b. Submit report on monitoring with plans and compliance time schedule if non-compliance is demonstrated	by December 15, 1981
c. Demonstrate full compliance	by April 1, 1982

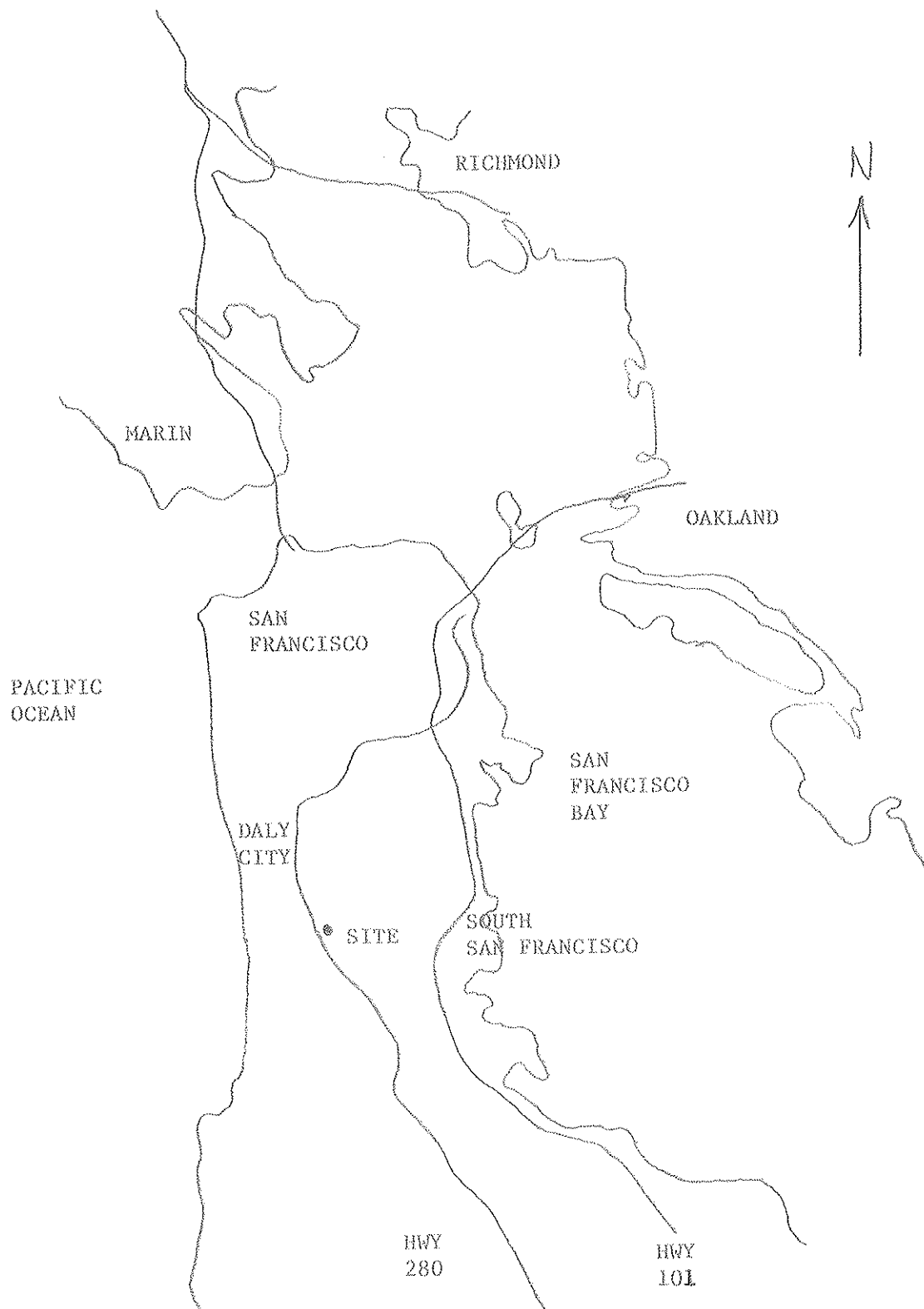
4. Compliance with Provision B.8 shall be documented in a written report filed by November 1, 1981 and every November 1 thereafter during the period that Group 2 and 3 wastes are disposed of at the site. The reports shall be prepared by a registered civil engineer or certified engineering geologist.
5. The discharger shall insure that slope stability of this site is maintained under conditions generated during maximum probable earthquake. To comply with this requirement the discharger shall submit slope stability analyses satisfactory to the Executive Officer specifying the maximum height and slope of the fill necessary to insure slope stability and a proposed implementation plan. This analysis and implementation plan shall be submitted no later than October 15, 1981. If the analysis indicates that existing slopes are unstable the October 15, 1981 submittal shall include a plan and time schedule for eliminating the instability at the earliest possible date.

6. A site closure plan shall be submitted to the Board no later than August 1, 1981 which shall conform to Resolution No. 77-7 adopted by this Board and State Water Resources Control Board guidelines, dated July 1980. The site closure plan shall be prepared under the supervision of a registered engineer or a certified engineering geologist.
7. The discharger shall file with this Board a report of any material change or proposed change in the character, location or quantity of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries, contours or ownership of the disposal area(s).
8. The discharger shall maintain a copy of this Order at the site so as to be available at all times to site operating personnel.
9. This Board considers the property owner and site operator to have a continuing responsibility for correcting any problems within their reasonable control arise in the future as a result of this waste discharge or water applied to this property during subsequent use of the land for other purposes.
10. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program which may be directed by the Executive Officer.
11. The discharger shall permit the Regional Board:
 - (a) Entry upon premises on which waste are located or in which any required records are kept,
 - (b) Access to copy any records required to be kept under terms and conditions of this Order,
 - (c) Inspection of monitoring equipment or records, and
 - (d) Sampling of any discharge.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on February 18, 1981.

FRED H. DIERKER
Executive Officer

Attachments:
A & B

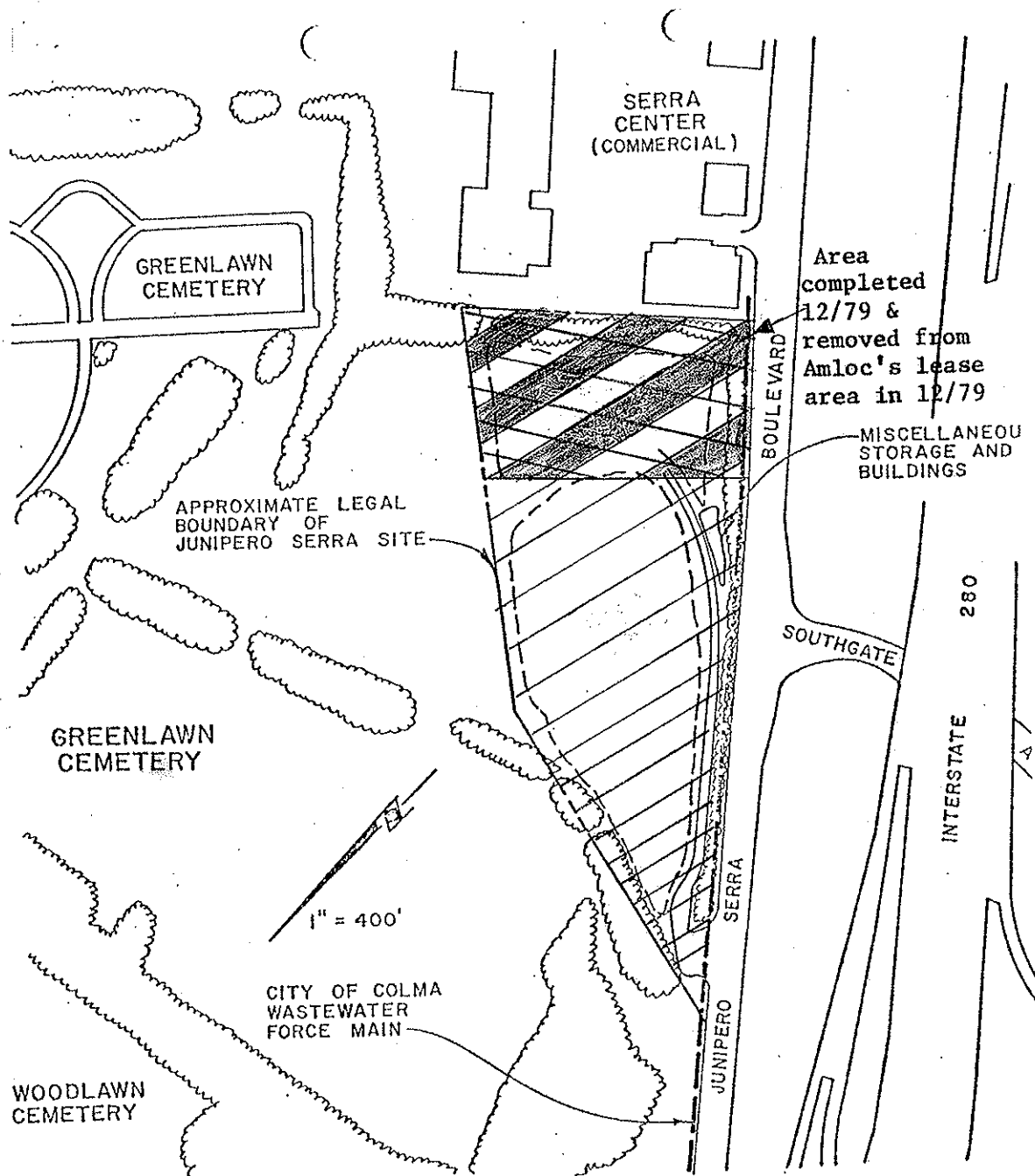


STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

AMLOC CO. INC. & CYPRESS ABBEY CO.
JUNIPERO SIERRA SITE

ATTACHMENT A TO ORDER NO. 81-9

DRAWN BY: CER DATE: 12/12/80 DRWG. NO.



STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

AMLOC CO., INC. & CYPRESS ABBEY CO.
JUNIPERO SERRA SITE

ATTACHMENT B TO ORDER NO. 81-9

DRAWN BY: CER DATE: 12/16/80 DRWG. NO.